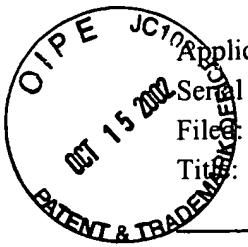


S/N 09/852,376

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Applicant: Eric A. Jacobsen  
Serial No.: 09/852,376  
Filed: May 10, 2001  
Title: SPARSE CHANNEL ESTIMATION FOR ORTHOGONAL FREQUENCY DIVISION  
MULTIPLEXED SIGNALS

Examiner: Unknown  
Group Art Unit: 2661  
Docket: 884.427US1

RECEIVED

OCT 17 2002

Technology Center 2600

Assistant Commissioner for Patents  
Washington, D.C. 20231

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. § 1.97(c)(1) and 37 C.F.R. § 1.97(e)(1), Applicant states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

The three references listed on the attached Form 1449 were cited in a PCT Search Report, a copy of which is attached hereto, on July 18, 2002, in a counterpart foreign application, PCT/ US 02/13415, which was filed on April 25, 2002.

It is believed that no fee or statement is required with the Information Disclosure Statement.

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ERIC A. JACOBSEN

By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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Date Oct. 11, 2002

By Ann M. McCrackin

Ann M. McCrackin  
Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on this 11 day of October, 2002.

Jane E. Brockschink  
Name \_\_\_\_\_

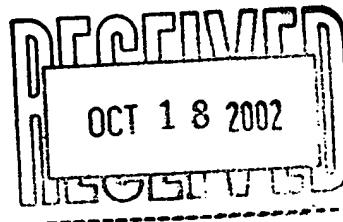
Jane E. Brockschink  
Signature \_\_\_\_\_

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <small>(Use as many sheets as necessary)</small>		<i>Complete if Known</i>	
		<b>Application Number</b>	09/852376
		<b>Filing Date</b>	May 10, 2001
		<b>First Named Inventor</b>	Jacobsen, Eric
		<b>Group Art Unit</b>	2661
<small>Sheet 1 of 1</small>		<b>Examiner Name</b>	Unknown
		<b>RECEIVED</b> <b>Technology Center 2600</b> <b>OCT 17 2002</b>	
		Attorney Docket No: 00884.427US1	

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	WO-99/01956	01/14/1999	Kimura, Tomohiro , et al	H04J	11/00	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		COCHET, P..Y. ,et al. , "Digital Transform for a Selective Channel Estimation (Application to Multicarrier Data Transmission)", <u>Communications, 1998 IEEE Int'l Conf on Atlanta, GA, (June 7-11, 1998)</u> ,349-354				
		ZHAO, YUPING.,et al. , "A Novel Channel Estimation Method for OFDM Mobile Communication Systems Based on Pilot Signals and Transform-Domain Processing", <u>Vehicular Technology Conference, IEEE 47th, (May 4, 1997)</u> ,2089-2093				



**EXAMINER** **DATE CONSIDERED**